

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Audun OPEM *et al.*

Appln. No. 10/539,629

Confirmation No. 2902

Filed: January 30, 2006

Allowed: June 2, 2010

For: METHOD TO INCREASE THE SAFETY  
INTEGRITY LEVEL OF A CONTROL  
SYSTEM

Art Unit : 2121

Examiner: Ryan A. Jarrett

Atty. Docket No. 43315-219115

Customer No.  
26694

U.S. PATENT AND TRADEMARK OFFICE

**Request for Corrected Filing Receipt**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith is the Filing Receipt for the above-referenced application, marked up to include the foreign priority document for the above-referenced application ("Sweden 0203819-8, December 19, 2002"), which was omitted from the Filing Receipt. Copies of the Application Data Sheet and Declaration (which were filed concurrently with the application), showing the inclusion of the foreign priority document, are attached. Please issue a Corrected Filing Receipt for this application to include the foreign priority document.

Because the error was the responsibility of the U.S. Patent and Trademark Office, no fee is believed to be due. However, if a fee is determined to be owed, please charge the same to our Deposit Account No. 22-0261, referencing Order No. 43315-219115.

Respectfully submitted,

Dated: June 18, 2010

/Eric J. Franklin/  
Eric J. Franklin, Registration No. 37,134  
VENABLE LLP  
P.O. Box 34385  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

EJF

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/539,629	01/30/2006	3661	1030	43315-219115	2	20	2

CONFIRMATION NO. 2902

## FILING RECEIPT



\*OC000000018141611\*

26694  
 VENABLE LLP  
 P.O. BOX 34385  
 WASHINGTON, DC 20045-9998

Date Mailed: 03/03/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Audun Opem, Ski, NORWAY;  
 Mats Gunnmarker, Oslo, NORWAY;  
 Kai Hansen, Oslo, NORWAY;

**Power of Attorney:** The patent practitioners associated with Customer Number 26694.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/IB03/06021 12/16/2003

## Foreign Applications

SWEDEN 0203819-8 12/19/2002

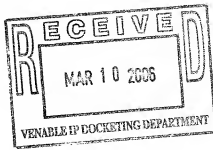
**Projected Publication Date:** 06/08/2006

**Non-Publication Request:** No

**Early Publication Request:** No

## Title

Method to increase the safety integrity level of a control system



**Preliminary Class**

701

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

**LICENSE FOR FOREIGN FILING UNDER****Title 35, United States Code, Section 184****Title 37, Code of Federal Regulations, 5.11 & 5.15****GRANTED**

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**APPLICATION DATA SHEET**

JC17 Rec'd PCT/PTO 17 JUN 2005

**Application Information**

**Application Number::** National Stage of PCT/IB2003/006021  
**Filing Date::** June 17, 2005  
**Application Type::** Regular  
**Subject Matter::** National Stage Application  
**Suggested Classification::** None  
**Suggested Group Art Unit::** None  
**CD-ROM or CD-R?::** No  
**Number of CD Disks::** 0  
**Number of Copies of CDs::** None  
**Sequence Submission?::** No  
**Computer Readable Form (CFR)?::** No  
**Number of Copies of CFR::** None  
**Title::** METHOD TO INCREASE THE SAFETY INTEGRITY LEVEL OF A CONTROL SYSTEM  
**Attorney Docket Number::** 43315-219115  
**Request for Early Publication?::** No  
**Request for Non-Publication?::** No  
**Suggested Drawing Figure::**  
**Total Drawing Sheets::** TWO  
**Small Entity?::** No  
**Latin Name::**  
**Variety Denomination Name::**  
**Petition Included?::** No  
**Petition Type::** None  
**Licensed US Govt. Agency::**  
**Contract or Grant Numbers::** None  
**Secrecy Order in Parent Appl.::**

**Applicant Information**

JC17 Rec'd PCT/PTO 17 JUN 2005

**Applicant Authority Type::** Inventor  
**Primary Citizenship::** Norwegian  
**Country::** Norway  
**Status::** Full Capacity  
**Given Name::** Audun  
**Middle Name::**  
**Family Name::** OPEM  
**Name Suffix::**  
**City of Residence::** SKI  
**State or Province of Residence::**  
**Country of Residence::** Norway  
**Street of Mailing Address::** Myrsletta 21  
**City of Mailing Address::** SKI  
**State or Province of Mailing Address::**  
**Country of Mailing Address::** Norway  
**Postal or Zip Code of Mailing Address::** N-1406

**Applicant Authority Type::** Inventor  
**Primary Citizenship::** Norwegian  
**Country::** Norway  
**Status::** Full Capacity  
**Given Name::** Mats  
**Middle Name::**  
**Family Name::** GUNNMARKER  
**Name Suffix::**  
**City of Residence::** OSLO  
**State or Province of Residence::**  
**Country of Residence::** Norway  
**Street of Mailing Address::** Smiuvegen 99

01539629

JC17 Rec'd PCT/PTO 17 JUN 2005

**City of Mailing Address::** OSLO  
**State or Province of Mailing Address::**  
**Country of Mailing Address::** Norway  
**Postal or Zip Code of Mailing Address::** N-0981

**Applicant Authority Type::** Inventor  
**Primary Citizenship::** Norwegian  
**Country::** Norway  
**Status::** Full Capacity  
**Given Name::** Kai  
**Middle Name::**  
**Family Name::** HANSEN  
**Name Suffix::**  
**City of Residence::** OSLO  
**State or Province of Residence::**  
**Country of Residence::** Norway  
**Street of Mailing Address::** Lysekrenten  
**City of Mailing Address::** OSLO  
**State or Province of Mailing Address::**  
**Country of Mailing Address::** Norway  
**Postal or Zip Code of Mailing Address::** N-0383

### Correspondence Information

**Correspondence Customer Number::** 26694  
**Phone Number::** (202) 344-4000  
**Fax Number::** (202) 344-8300

E-Mail Address::

**Representative Information**Representative Customer  
Number::

26694

**Domestic Priority Information**

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
	Continuation of		
	Continuation of		
	Continuation of		

**Foreign Priority Information**

Country::	Application Number::	Filing Date::	Priority Claimed::
Sweden	0203819-8	December 19, 2002	Yes

**Assignee Information**

Assignee Name:: ABB AS  
 Street of Mailing Address:: Bergerveien 12  
 City of Mailing Address:: Billingstad  
 State or Province of Mailing Address::  
 Country of Mailing Address:: Norway  
 Postal or Zip Code of Mailing Address:: N-1396

10/539629

DECLARATION FOR UNITED STATES PATENT APPLICATION,  
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD TO INCREASE THE SAFETY INTEGRITY LEVEL OF A CONTROL SYSTEM, the specification of which

[ ] is attached hereto.

[ ] was filed on \_\_\_\_\_, as Application No. \_\_\_\_\_.

[X] was filed under the Patent Cooperation Treaty on 16 December 2003, and given Application No. PCT/SE2003/006021, the United States of America having been designated.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a).

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) of §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed
0203819-8	Sweden	19 December 2002	Yes

I HEREBY CLAIM the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Patent Application No.	PCT Patent Application Number	Patent Filing Date	Parent Patent Number

I hereby appoint the registered attorneys and agents of VENABLE LLP associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

26694

U.S. PATENT AND TRADEMARK OFFICE

VENABLE LLP is located at 575 7<sup>th</sup> Street, NW, Washington, DC 20004-1601, Telephone: (202) 344-4000, Telefax: (202) 344-8300. Address all correspondence to VENABLE LLP, Post Office Box 34385, Washington, D.C. 20043-9998.

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from

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the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1-00 Signature:  Date: 9/9-2005  
First/Joint Inventor: Audun OPEM  
Citizenship: Norway  
Residence and Post Office Address: Myrsletta 21, N-1406 Ski, Norway NOX

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
First/Joint Inventor: Mats GUNNMARKER  
Citizenship: Norway  
Residence and Post Office Address: Smiuvegen 99, N-0981 Oslo, Norway

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
First/Joint Inventor: Kai HANSEN  
Citizenship: Norway  
Residence and Post Office Address: Lysekrenten, N-0383 Oslo, Norway

Attorney Docket: 43315-219115  
9498US/UR

10/539629

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26694

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The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from

the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
First/Joint Inventor: Audun OPEM  
Citizenship: Norway  
Residence and Post Office Address: Myrsletta 21, N-1406 Ski, Norway

Signature: [Signature] Date: 8 AUGUST 2005  
First/Joint Inventor: Mats GUNNMARKER  
Citizenship: Norway SWEDEN  
Residence and Post Office Address: Smiuevegen 99, N-0981 Oslo, Norway NOX

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
First/Joint Inventor: Kai HANSEN  
Citizenship: Norway  
Residence and Post Office Address: Lysekrenten, N-0383 Oslo, Norway

10/539629

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☐ is attached hereto.

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☒ was filed under the Patent Cooperation Treaty on 16 December 2003, and given Application No.

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U.S. Patent Application No.	PCT Patent Application Number	Patent Filing Date	Parent Patent Number

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The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from

the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

First/Joint Inventor: Audun OPEM

Citizenship: Norway

Residence and Post Office Address: Myrsletta 21, N-1406 Ski, Norway

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

First/Joint Inventor: Mats GUNNMARKER

Citizenship: Norway

Residence and Post Office Address: Smiuegen 99, N-0981 Oslo, Norway

Signature: Kai Hansen Date: 8/8 2005

First/Joint Inventor: Kai HANSEN

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NOY